CLAIMS

- (Original) A device comprising:
 - a network interface for coupling to a network;
 - a memory; and
- a processor coupled with the network interface, wherein the processor is adapted to:
- consider a first connection through a network with a first endpoint of the network;

identify a first region in the network of the first network endpoint;
retrieve a first jitter record for the first network region; and
allocate a first portion of a memory for jitter buffer storage for the first
connection; the first portion having a size in accordance with first jitter data in the first
jitter record.

- (Original) The device of claim 1, wherein the first connection is a VoIP connection.
- 3. (Original) The device of claim 1, wherein the processor is further adapted to: consider a second connection through the network with a second endpoint of the network;

identify a second region in the network of the second network endpoint; retrieve a second jitter record for the second network region; and allocate a second portion of the memory for jitter buffer storage for the second connection, the second portion having a size in accordance with second jitter data in the second jitter record.

4. (Original) The device of claim 3, wherein the processor is further adapted to: determine whether allocating the first portion of the memory leaves enough remainder memory for the second portion of the memory.

- (Original) The device of claim 1, wherein the first jitter data contains a first jitter performance statistic of a formerly tracked jitter of at least one endpoint in the first network region.
- (Original) The device of claim 5, wherein
 the first jitter performance statistic is determined from at least one of a
 cumulative average jitter and a cumulative jitter variability.
- 7. (Original) The device of claim 5, wherein the processor is further adapted to: establish the first connection; track a jitter while communicating over the first connection; and update the first jitter performance statistic in accordance with the tracked jitter.
- (Original) A device comprising:
 means for considering a first connection through a network with a first endpoint of the network;

means for identifying a first region in the network of the first network endpoint; means for retrieving a first jitter record for the first network region; and means for allocating a first portion of a memory for Jitter buffer storage for the first connection, the first portion having a size in accordance with first jitter data in the first jitter record.

- (Original) The device of claim 8, wherein the first connection is a VoIP connection.
- 10. (Original) The device of claim 8, further comprising: means for considering a second connection through the network with a second endpoint of the network;

means for identifying a second region in the network of the second network endpoint;

means for retrieving a second jitter record for the second network region; and means for allocating a second portion of the memory for jitter buffer storage for the second connection, the second portion having a size in accordance with second jitter data in the second jitter record.

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- 11. (Original) The device of claim 10, further comprising: means for determining whether allocating the first portion of the memory leaves enough remainder memory for the second portion of the memory.
- 12. (Original) The device of claim 8, wherein the first jitter data contains a first jitter performance statistic of a formerly tracked jitter of at least one endpoint in the first network region.
- 13. (Original) The device of claim 12, wherein the first connection is a VolP connection.
- 14. (Original) The device of claim 12, wherein the first jitter performance statistic is determined from at least one of a cumulative average jitter and a cumulative jitter variability.
- 15. (Original) The device of claim 12, further comprising: means for establishing the first connection; means for tracking a jitter while communicating over the first connection; and means for updating the first jitter performance statistic in accordance with the tracked jitter.
- 16. (Original) The device of claim 15, wherein the first jitter performance statistic is determined from at least one of a cumulative average jitter and a cumulative jitter variability.
- 17. (Original) The device of claim 15, further comprising: means for storing the updated jitter statistic.
- 18. (Original) The device of claim 15, further comprising: means for updating the first portion to have a size in accordance with the updated first jitter performance statistic.

19. (Original) An article comprising: a storage medium, said storage medium having stored thereon instructions, that, when executed by at least one device, result in:

considering a first connection through a network with a first endpoint of the network;

identifying a first region in the network of the first network endpoint; retrieving a first jitter record for the first network region; and allocating a first portion of a memory for jitter buffer storage for the first connection, the first portion having a size in accordance with first jitter data in the first jitter record.

20. (Original) The article of claim 19, wherein the instructions further result in: considering a second connection through the network with a second endpoint of the network;

identifying a second region in the network of the second network endpoint; retrieving a second jitter record for the second network region; and allocating a second portion of the memory for jitter buffer storage for the second connection, the second portion having a size in accordance with second jitter data in the second jitter record.

- 21. (Original) The article of claim 20, wherein the instructions further result in: determining whether allocating the first portion of the memory leaves enough remainder memory for the second portion of the memory.
- 22. (Original) The article of claim 19, wherein the first jitter data contains a first jitter performance statistic of a formerly tracked jitter of at least one endpoint in the first network region.
- 23. (Original) The article of claim 22, wherein the first jitter performance statistic is determined from at least one of a cumulative average jitter and a cumulative jitter variability.

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- 24. (Original) The article of claim 22, wherein the first jitter performance statistic is dependent upon a time of a day, and wherein the instructions further result in: inputting the time of the day.
- 25. (Original) The article of claim 22, wherein the first jitter performance statistic is dependent upon a day of a week, and wherein the instructions further result in: inputting the day of the week.
- 26. (Original) The article of claim 22, wherein the instructions further result in: establishing the first connection; tracking a jitter while communicating over the first connection; and updating the first jitter performance statistic in accordance with the tracked jitter.
- 27. (Original) The article of claim 26, wherein the first jitter performance statistic is determined from at least one of a cumulative average jitter and a cumulative jitter variability.
- 28. (Original) The article of claim 26, wherein the instructions further result in: storing the updated jitter statistic.
- 29. (Original) The article of claim 26, wherein the instructions further result in: updating the first portion to have a size in accordance with the updated first jitter performance statistic.

30. (Original) A method comprising:

considering a first connection through a network with a first endpoint of the network;

identifying a first region in the network of the first network endpoint; retrieving a first jitter record for the first network region; and allocating a first portion of a memory for jitter buffer storage for the first connection, the first portion having a size in accordance with first jitter data in the first iitter record.

- 31. (Original) The method of claim 30, wherein the first connection is a VoIP connection.
- 32. (Original) The method of claim 30, further comprising: considering a second connection through the network with a second endpoint of the network:

identifying a second region in the network of the second network endpoint; retrieving a second jitter record for the second network region; and allocating a second portion of the memory for jitter buffer storage for the second connection, the second portion having a size in accordance with second jitter data in the second jitter record.

- 33. (Original) The method of claim 32, further comprising:
 determining whether allocating the first portion of the memory leaves enough remainder memory for the second portion of the memory.
- 34. (Original) The method of claim 30, wherein the first jitter data contains a first jitter performance statistic of a formerly tracked jitter of at least one endpoint in the first network region.
- 35. (Original) The method of claim 34, wherein the first connection is a VoIP connection.

- 36. (Original) The method of claim 34, wherein the first jitter performance statistic is determined from at least one of a cumulative average jitter and a cumulative jitter variability.
- 37. (Original) The method of claim 34, wherein the first jitter performance statistic is dependent upon a time of a day, and further comprising: inputting the time of the day.
- 38. (Original) The method of claim 34, wherein the first jitter performance statistic is dependent upon a day of a week, and further comprising: inputting the day of the week.
- 39. (Original) The method of claim 34, further comprising: establishing the first connection; tracking a jitter while communicating over the first connection; and updating the first jitter performance statistic in accordance with the tracked jitter.
- 40. (Original) The method of claim 39, wherein the first jitter performance statistic is determined from at least one of a cumulative average jitter and a cumulative jitter variability.
- 41. (Original) The method of claim 39, further comprising: storing the updated jitter statistic.
- 42. (Original) The method of claim 39, further comprising: updating the first portion to have a size in accordance with the updated first jitter performance statistic.